

PATENT ABSTRACTS OF JAPAN

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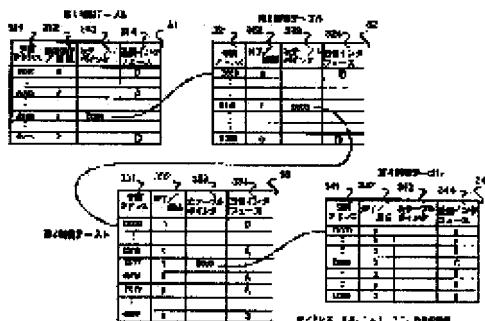
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(54) NETWORK ADDRESS RETRIEVAL SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an address control table retrieval system capable of simultaneously retrieving an address and a masked address and speeding up the retrieval of the address.

SOLUTION: In the retrieval of an IP address 133. 141. 77. 59, the address is divided into four addresses, i.e., 133, 141, 77, 59 and a first control table, a second control table, a third control table, a fourth control table are successively retrieved by using values of each address. In the retrieval of each control table, a retrieval end/continuation flag in the control table corresponding to the divided address is read, the end or continuation of the retrieval is decided and when the retrieval is continued, the next table pointer of the control table used in the next retrieval corresponding to the divided address in the control table is read. Each control table is repeatedly read and retrieved until the end of the retrieval.



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